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	FUNCTIONAL UNITS				
	SRC	FU 1	FU 2	FU 3	SINK
0	A1			*	*
1		A2	*		
2		*	A3		
3	B1			A4	*
4		B2	A5		
5		A6	B3		
6	C1			B4	A7
7		C2	B5		
8		B6	C3		
9	*			C4	B7
10		*	C5		
11		C6	*		
12	*			*	C7
13		*	*		
14		*	*		

TIME STEP

PROLOG

LOOP BODY

EPILOG

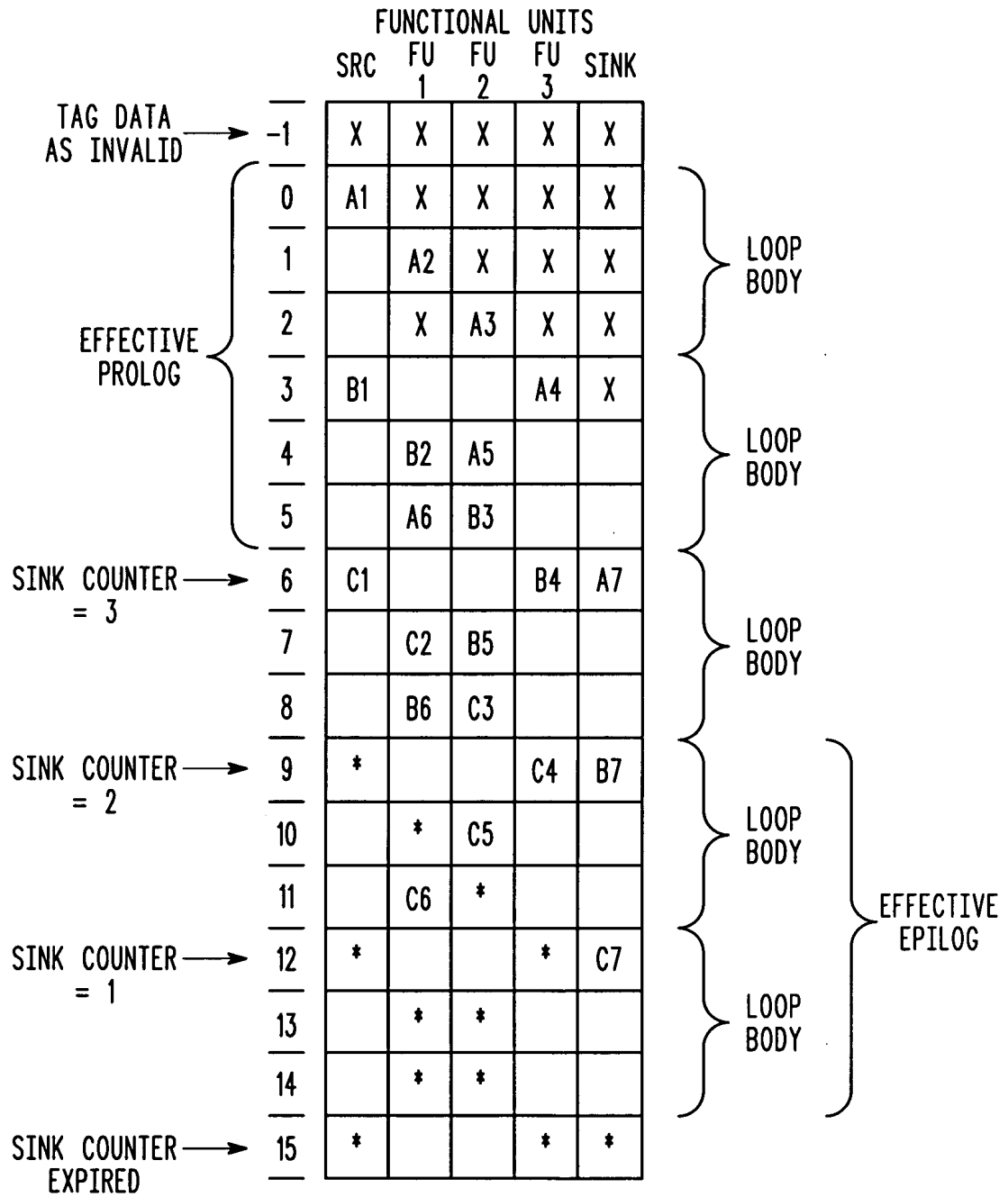
**FIG. 1**

VLIW 1	C1			B4	A7
VLIW 2		C2	B5		
VLIW 3		B6	C3		

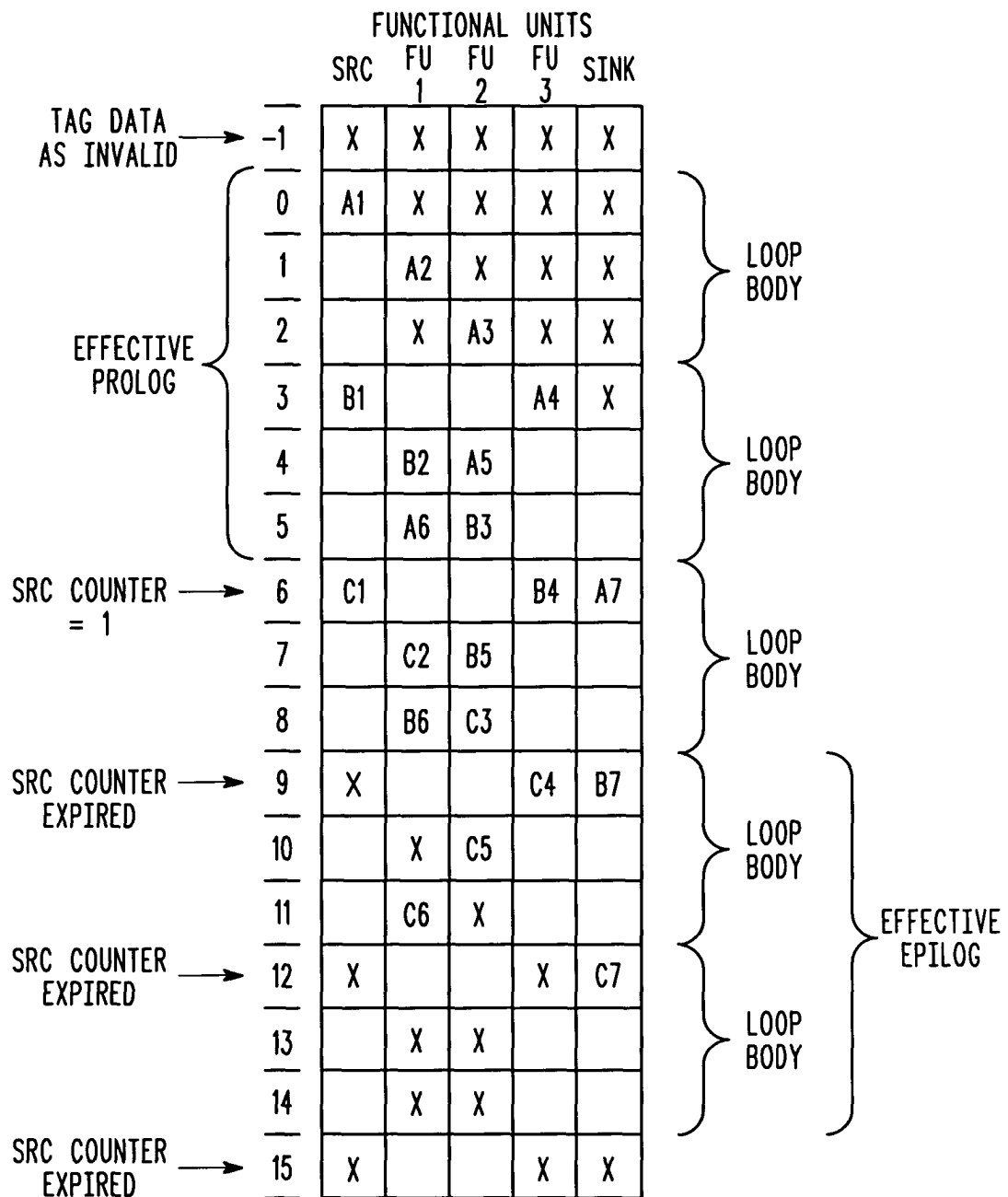
LOOP BODY

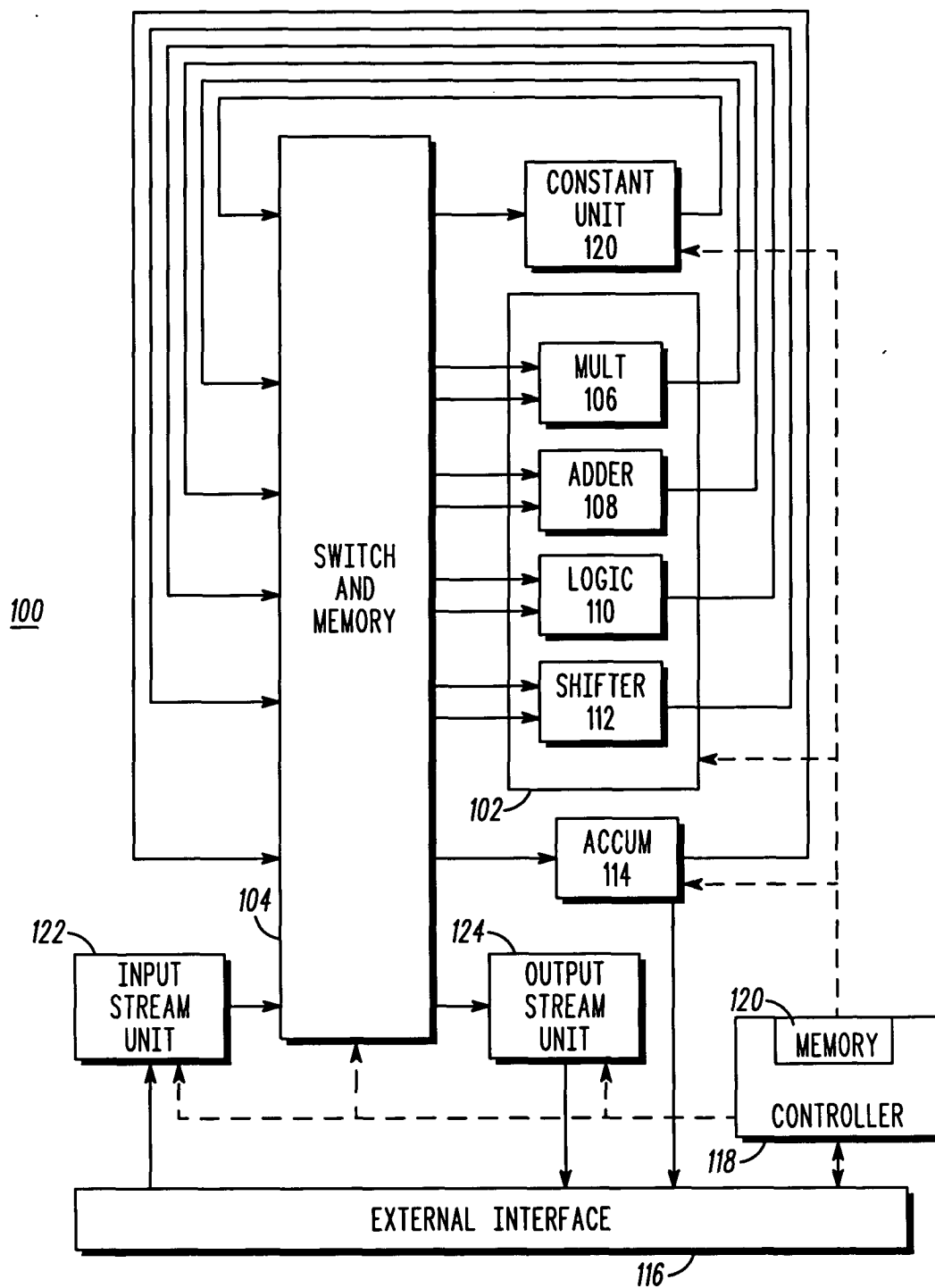
**FIG. 2**

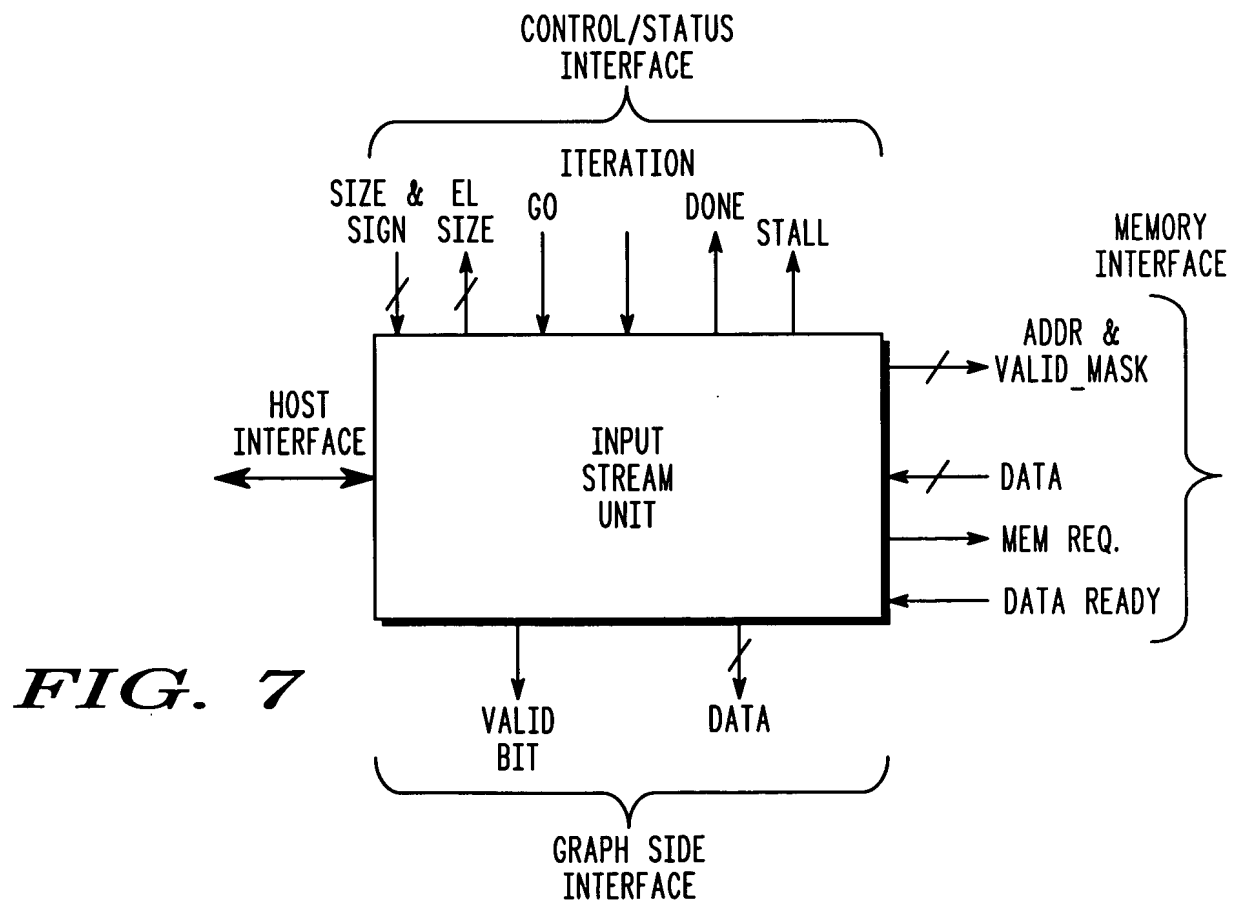
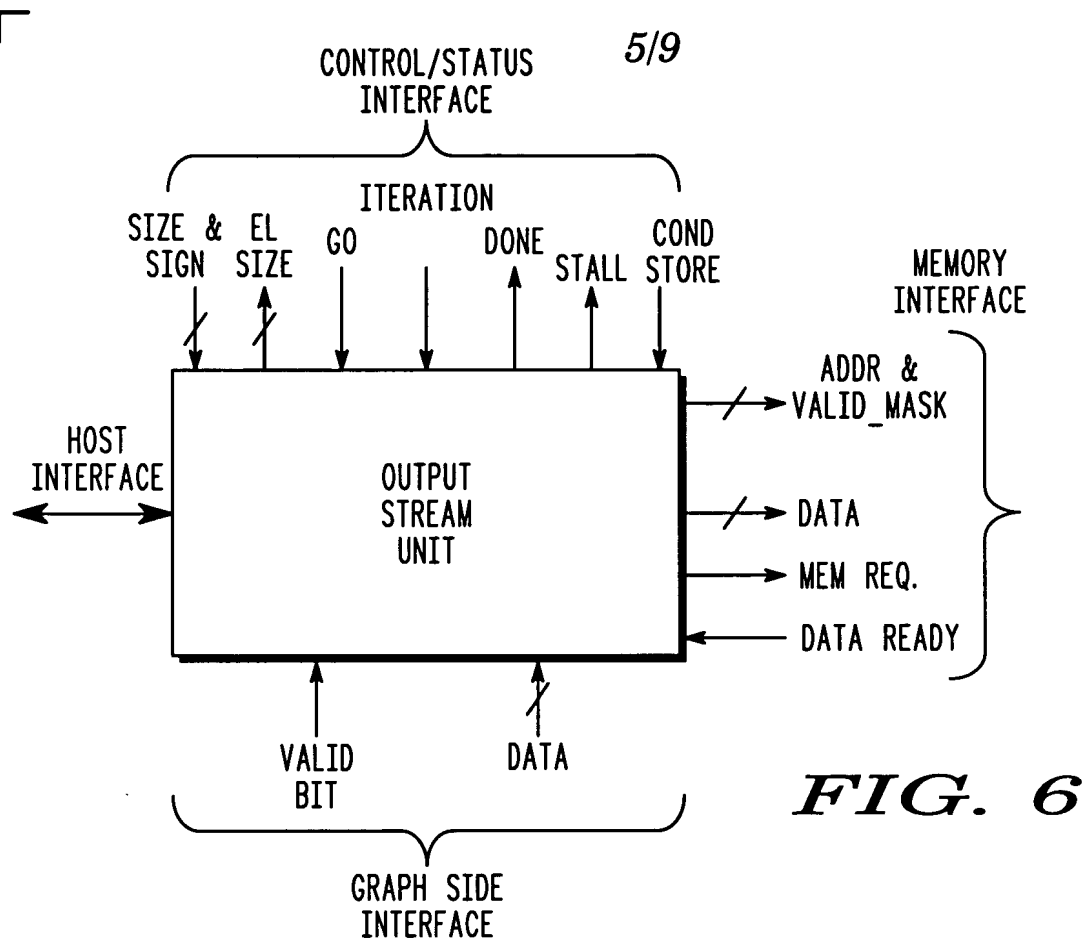
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**FIG. 3**

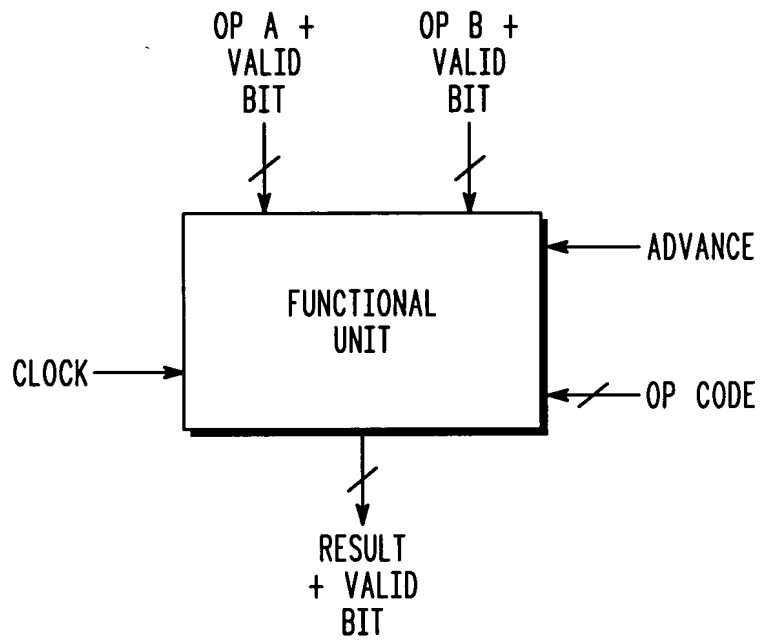
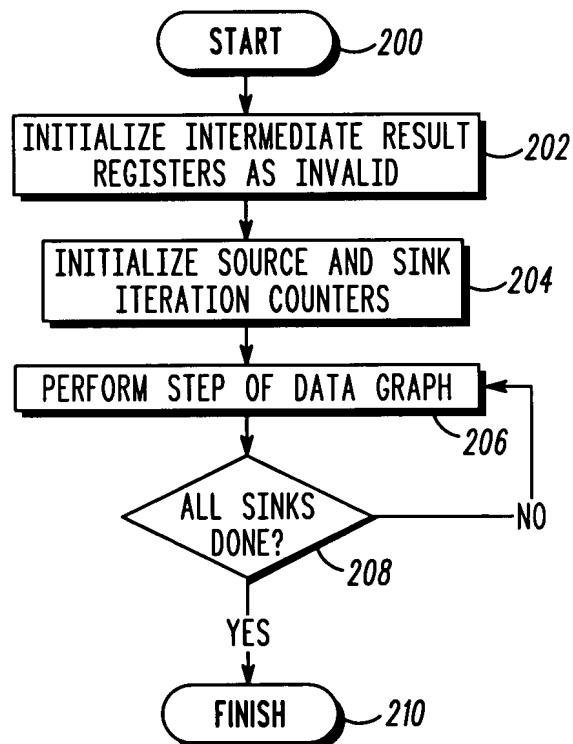
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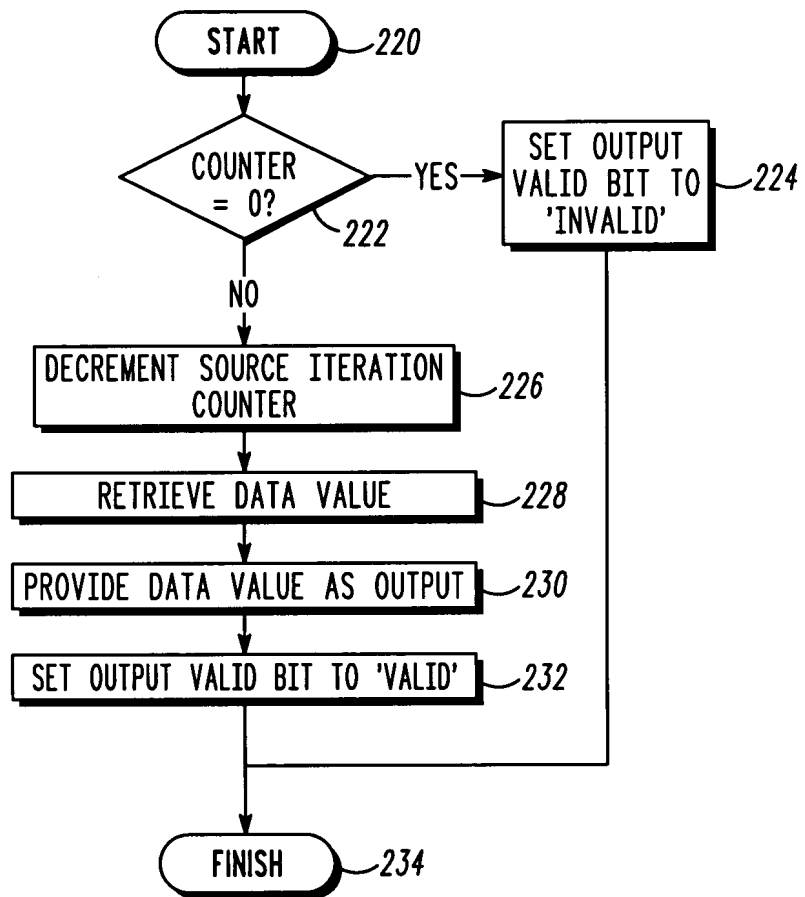
**FIG. 4**

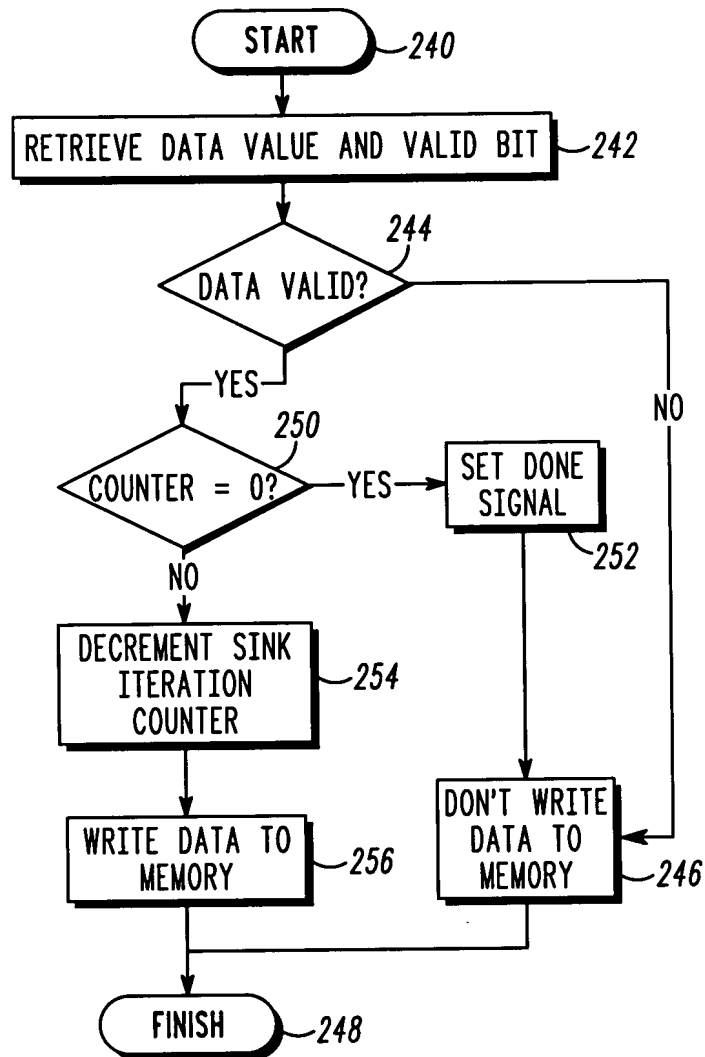
**FIG. 5**



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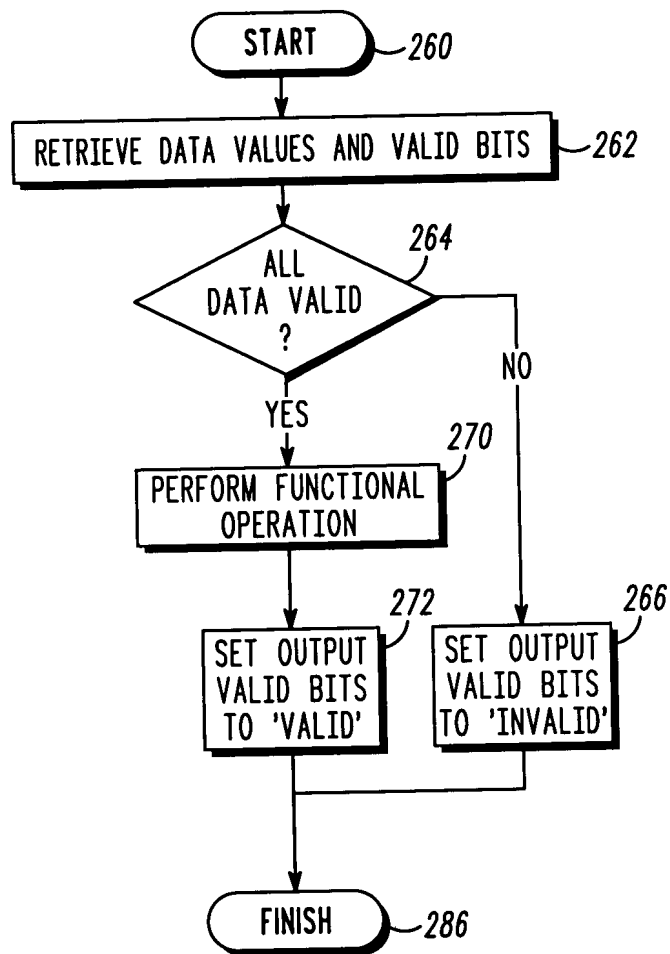
*FIG. 8**FIG. 9*

**FIG. 10**

**FIG. 11**



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**FIG. 12**